

From the INTERNATIONAL PRELIMINARY EXAMINING

To: SHIN, Dong-In	PCT
D.I. International Patent Office 304, Dukam Bldg., 1457-2 Seocho3-dong, Seocho-gu, Seoul 137-867, Republic of Korea	WRITTEN OPINION (PCT Rule 66)
	Date of mailing
	(day/month/year) 16 NOVEMBER 2004 (16.11.2004)
Applicant's or agent's file reference DBT/031001/Y	REPLY DUE within 2 months from the above date of mailing
International application No. International filing date (PCT/KR2003/002175 17 OCTOBER 2003)	
International Patent Classification (IPC) or both national classificat	ion and IPC
IPC7 C07C 335/04, C07C 275/64, C07C 327/38	
Applicant	
DIGITAL BIOTECH CO., LTD. et al	
2. This opinion contains indications relating to the following items I Basis of the opinion II Priority III Non-establishment of opinion with regard to nove of the control of the cont	elty, inventive step and industrial applicability egard to novelty, inventive step or industrial applicability; ent ion nay, before the expiration of that time limit, request this Authority; e appropriate, by amendments, according to Rule 66.3 see Rules 66.8 and 66.9 nts, see Rule 66.4 nts and/or arguments, seeRule 66.4bis s, see Rule 66.6
The final date by which the international preliminary examination report must be established according to Rule 69.2	2 is: 07 FEBRUARY 2005 (07.02.2005)

Name and mailing address of the IPEA/KR

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Inte	nal	application	No.

PCT/KR2003/002175

I.	Basis (of the op	pinion	
l.	With	regard to	to the elements of the international application:*	:
	X	the inter	rnational application as originally filed	·
		the desc	cription:	
		pages _		, as originally filed
		pages pages	, filed with the letter of	, filed with the demand
	<u> </u>	the clain		!
		pages _		, as originally filed
		pages pages	, as amended (together with ar	ny statment) under Article 19 , filed with the demand
		pages	, filed with the letter of	
		the draw	wings:	
		pages		, as originally filed
		pages pages	, filed with the letter of	, filed with the demand
	\Box		quence listing part of the description:	
		pages _		, as originally filed
		pages pages	, filed with the letter of	, filed with the demand
			<u> </u>	
2.	the i	internatio	I to the language, all the elements marked above were available or furnished to this Authonal application was filed, unless otherwise indicated under this item. nents were available or furnished to this Authority in the following language	English which is
		the lan	nguage of a translation furnished for the purposes of international search (under Rule 23	3.1(b)).
	X	the lan	nguage of publication of the international application(under Rule 48.3(b)).	
		the lan or 55.3	nguage of the translation furnished for the purposes of international preliminary examination.	ination (under Rules 55.2 and/
3.			t to any nucleotide and/or amino acid sequence disclosed in the international applicate basis of the sequence listing:	ation, the written opinion was
		contair	ined inthe international application in printed form.	
		filed to	together with the international application in computer readable form.	
		furnish	shed subsequently to this Authority in written form.	•
			shed subsequently to this Authority in computer readable form	•
		intern The sta	statement that the subsequently furnished written sequence listing does not go be national applicationas as filed has been furinshed. tatement that the information recorded in computer readable form is identical to the	
		been f	furnished.	
4.		The an	mendments have resulted in the cancellation of:	
			the description, pages	
			the claims, Nos.	
			the drawings,sheet/fig	
5.			opinion has been drawn as if (some of) the amendments had not been made, since the nd the disclosure as filed, as indicated in the Supplemental Box(Rule 70.2(c)).	ey have been considered to go
*			t sheets which have been furnished to the receiving Office in response to an invitation we as "originally filed."	under Article 14 are referred to

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement

Novelty (N)	Claims	1-18	YES
	Claims	None	NO
Inventive step (IS)	Claims	None	YES
	Claims	1-18	NO
Industrial applicability (IA)	Claims	1-18	YES
	Claims	None	NO

2. Citations and explanations

D1: WO 02/16318 A1 D2: WO 02/16319 A1

본원의 특허청구범위 제1항 내지 제18항은 화학식(I) 또는 화학식(II)로 표기되는 화합물과 이의 바닐로이드 수용체에 대한 길항제로서의 용도에 관한 것이고,

D1, D2 역시 본원발명의 화합물과 기본 구조가 동일한 티오우레아 유도체 및 이의 바닐로이드 수용체 길항제로서의 용도에 관한 것입니다.

본원발명의 화합물은 D1, D2의 화합물과 비교하여 그 기본 구조가 동일하고 다만, D1, D2에 기재된 화합물의 질소원자에 수산기가 부가된 점이 상이하나, 그 진통효과가 D1, D2의 화합물에 비하여 현저하게 우수한 것으로 인정할 수 없습니다.(표9참조, 화합물 28, 29, 30, 35의 경우 종래의 티오우레아 화합물에 비하여 현저한 진통효과를 갖는 것으로 볼 수 없음)

따라서, 본원발명은 진보성을 갖는 것으로 볼 수 없습니다.(PCT Article 33(3))